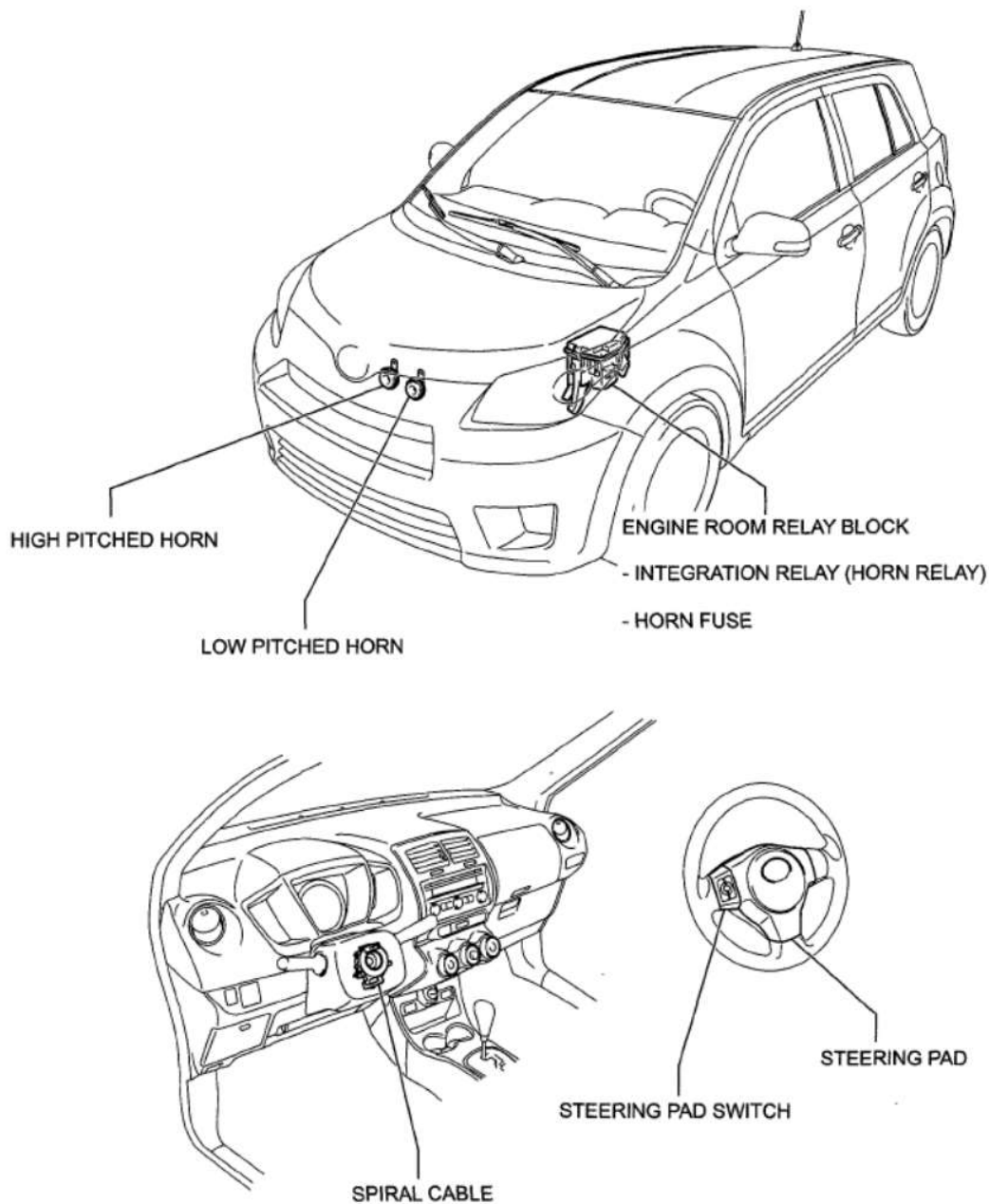


**2008 Scion xD**

## 2008 ACCESSORIES AND EQUIPMENT Horn - xD

**2008 ACCESSORIES AND EQUIPMENT****Horn - xD****HORN SYSTEM****PARTS LOCATION**

2008 Scion xD

2008 ACCESSORIES AND EQUIPMENT Horn - xD

**Fig. 1: Identifying Horn System Components**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

**SYSTEM DIAGRAM**

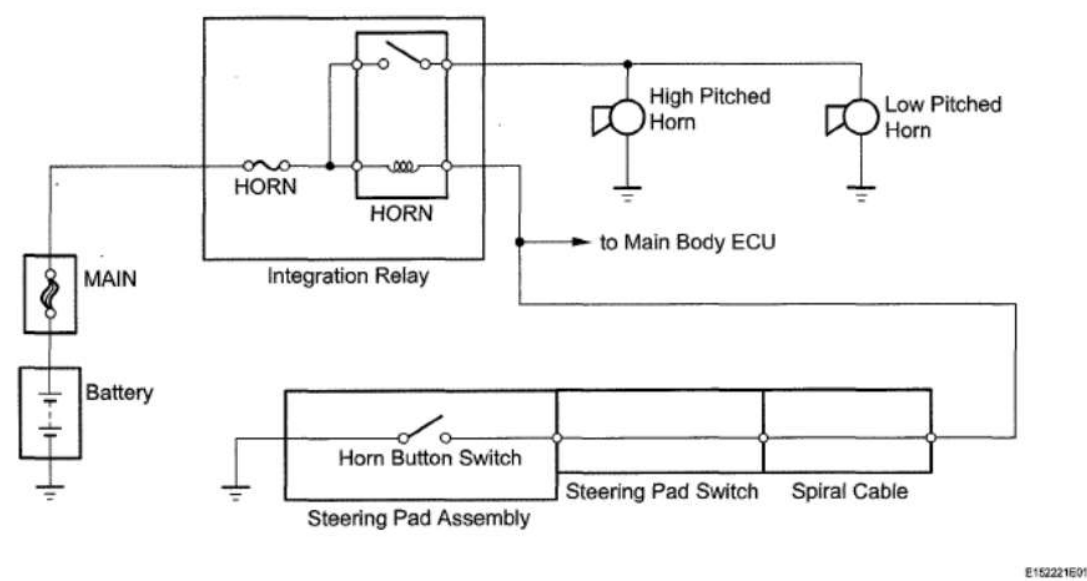


**Fig. 2: Horn System Diagram**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

**PROBLEM SYMPTOMS TABLE**

HINT:

Use the table below to help determine the cause of the problem symptom. The potential causes of the symptoms are listed in order of probability in the "Suspected area" column of the table. Check each symptom by checking the suspected areas in the order they are listed. Replace parts as necessary.

**Horn system:**

**PROBLEM SYMPTOMS CHART - HORN SYSTEM**

| Symptom             | Suspected Area                             | Go To                               |
|---------------------|--------------------------------------------|-------------------------------------|
| Horn does not sound | HORN fuse                                  | <u><b>HORN SYSTEM</b></u>           |
|                     | Integration relay (HORN relay)             | <u><b>REMOVAL</b></u>               |
|                     | High pitched horn assembly                 | <u><b>HIGH PITCHED HORN</b></u>     |
|                     | Low pitched horn assembly                  | <u><b>LOW PITCHED HORN</b></u>      |
|                     | Steering pad assembly (horn button switch) | <u><b>ON-VEHICLE INSPECTION</b></u> |
|                     | Steering pad switch                        | <u><b>INSPECTION</b></u>            |
|                     | Spiral cable                               | <u><b>REMOVAL</b></u>               |

**2008 Scion xD****2008 ACCESSORIES AND EQUIPMENT Horn - xD**

Wire harness

-

**INTEGRATION RELAY****ON-VEHICLE INSPECTION****1. INSPECT INTEGRATION RELAY (Built in horn relay)**

a. Check the resistance of the horn relay.

1. Measure the resistance according to the value(s) in the table below.

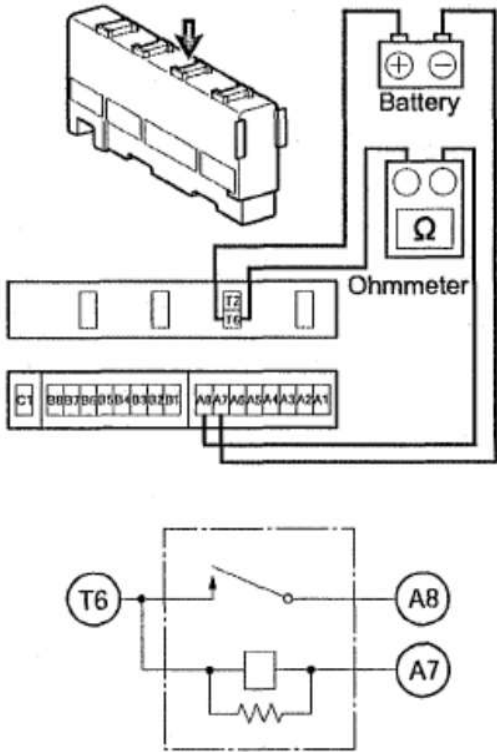
**Standard resistance****STANDARD RESISTANCE SPECIFICATIONS**

| <b>Tester Connection</b> | <b>Condition</b>                                   | <b>Specified Condition</b> |
|--------------------------|----------------------------------------------------|----------------------------|
| A8 - T6                  | When battery voltage is absent                     | 10 kohms or higher         |
| A8 - T6                  | When battery voltage applied to terminal A7 and T6 | Below 1 ohms               |

If the result is not as specified, replace the integration relay.

2008 Scion xD

2008 ACCESSORIES AND EQUIPMENT Horn - xD



T B114449E01

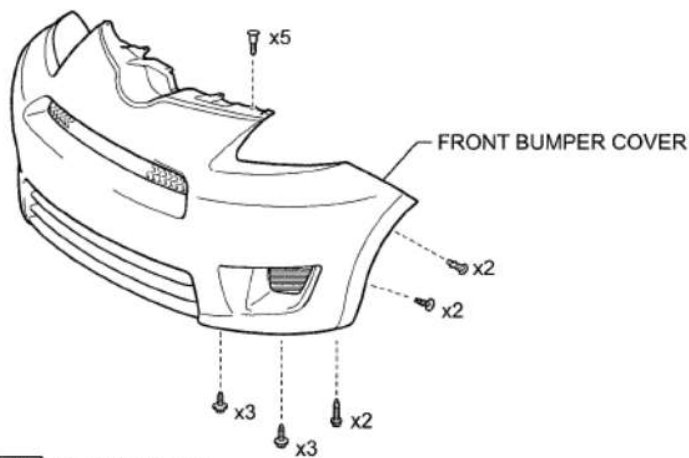
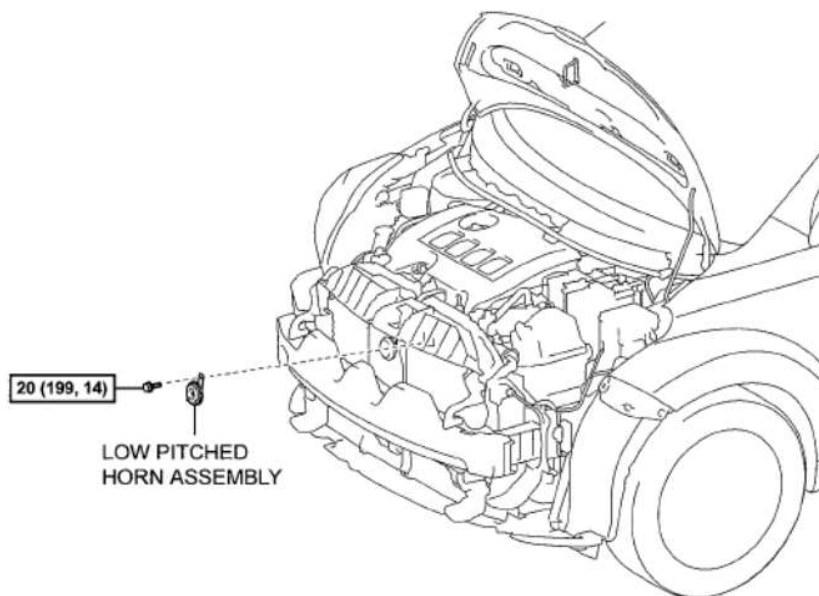
**Fig. 3: Inspect Integration Relay (Built In Horn Relay)**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

**LOW PITCHED HORN**

**COMPONENTS**

## 2008 Scion xD

### 2008 ACCESSORIES AND EQUIPMENT Horn - xD



N\*m (kgf\*cm, ft\*lb) : Specified torque

T

E151440E01

**Fig. 4: Identifying Low Pitched Horn Components**  
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

## REMOVAL

1. **REMOVE FRONT BUMPER COVER** (See **REMOVAL** )
2. **REMOVE LOW PITCHED HORN ASSEMBLY**
  - a. Disconnect the connector.
  - b. Remove the bolt and the low pitched horn.

2008 Scion xD

2008 ACCESSORIES AND EQUIPMENT Horn - xD

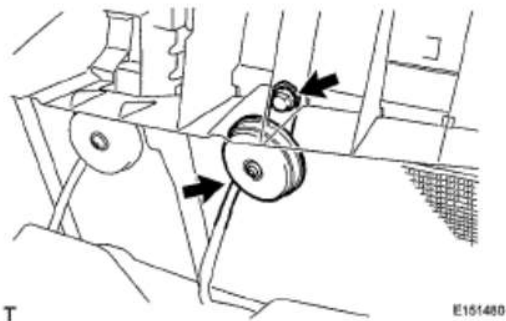


**Fig. 5: Locating Bolt And Low Pitched Horn**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

INSPECTION

1. INSPECT LOW PITCHED HORN ASSEMBLY

- a. Check the operation.
  - 1. Apply battery voltage to the horn, and check that the horn sounds.

OK

VOLTAGE SPECIFICATIONS

| Condition                           | Standard    |
|-------------------------------------|-------------|
| Battery positive (+) - Terminal 1   | Horn sounds |
| Battery negative (-) - Horn bracket |             |

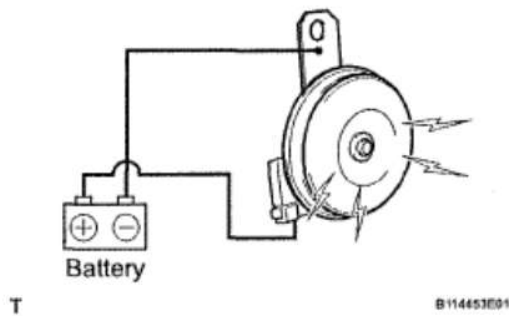


**Fig. 6: Inspecting Low Pitched Horn**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

If the result is not as specified, replace the low pitched horn.

INSTALLATION

1. INSTALL LOW PITCHED HORN ASSEMBLY

- a. Install the low pitched horn with the bolt.

**2008 Scion xD****2008 ACCESSORIES AND EQUIPMENT Horn - xD**

**Torque: 20 N\*m (199 kgf\*cm, 14 ft.\*lbf)**

b. Connect the connector.

**2. INSTALL FRONT BUMPER COVER (See INSTALLATION )**

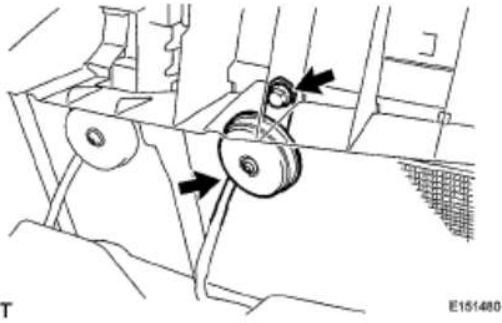


**Fig. 7: Locating Bolt And Low Pitched Horn**

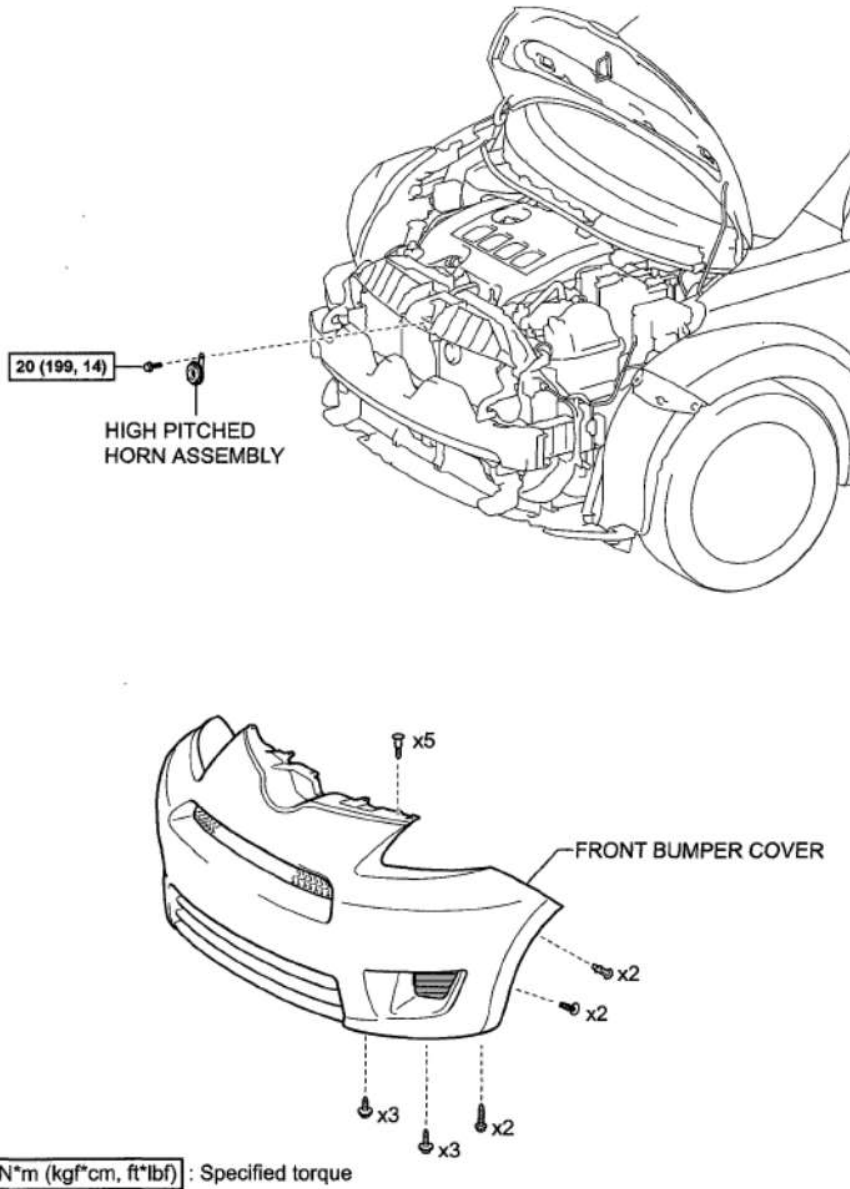
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

## HIGH PITCHED HORN

### COMPONENTS

## 2008 Scion xD

### 2008 ACCESSORIES AND EQUIPMENT Horn - xD



E151441E01

**Fig. 8: Identifying High Pitched Horn Components**  
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

### REMOVAL

1. **REMOVE FRONT BUMPER COVER** (See **REMOVAL** )
2. **REMOVE HIGH PITCHED HORN ASSEMBLY**
  - a. Disconnect the connector.
  - b. Remove the bolt and the high pitched horn.

2008 Scion xD

2008 ACCESSORIES AND EQUIPMENT Horn - xD

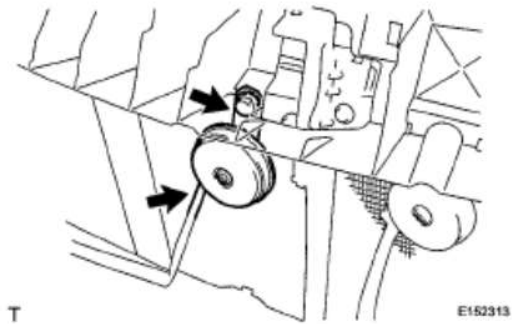


**Fig. 9: Locating High Pitched Horn Bolt**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

INSPECTION

- 1. **INSPECT HIGH PITCHED HORN ASSEMBLY**
  - a. Check the operation.
    - 1. Apply battery voltage to the horn, and check that the horn sounds.

OK

VOLTAGE SPECIFICATIONS

| Condition                           | Standard    |
|-------------------------------------|-------------|
| Battery positive (+) - Terminal 1   | Horn sounds |
| Battery negative (-) - Horn bracket |             |

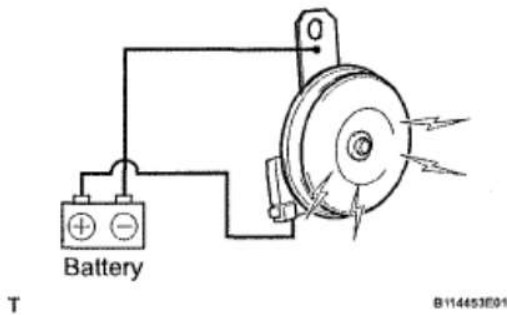


**Fig. 10: Inspecting Low Pitched Horn**  
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

If the result is not as specified, replace the low pitched horn.

INSTALLATION

- 1. **INSTALL HIGH PITCHED HORN ASSEMBLY**
  - a. Install the high pitched horn with the bolt.

**2008 Scion xD****2008 ACCESSORIES AND EQUIPMENT Horn - xD**

**Torque: 20 N\*m (199 kgf\*cm, 14 ft.\*lbf)**

b. Connect the connector.

**2. INSTALL FRONT BUMPER COVER (See INSTALLATION )**

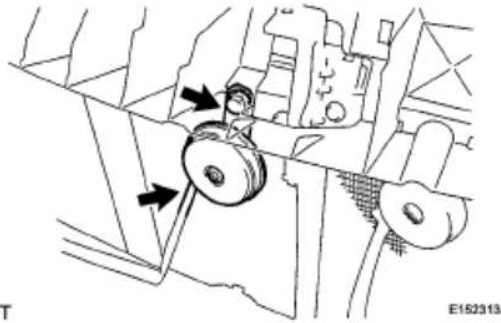


**Fig. 11: Locating High Pitched Horn Bolt**

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.